

Attorney's Docket No.: 06501-039001 / J1-802PCT-US

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7/26/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Takuya Tamatani et al. Art Unit : 1644
 Serial No. : 09/383,551 Examiner : Jessica Roark, Ph.D.
 Filed : August 26, 1999
 Title : CELL SURFACE MOLECULE MEDIATING CELL ADHESION AND SIGNAL
 TRANSMISSION

Commissioner for Patents
 Washington, D.C. 20231

AMENDMENT

In response to the action mailed January 17, 2002, please amend the application as follows:

In the title:

Replace the title at page 1, line 1, with the following:

▶ANTIBODIES SPECIFIC FOR A CELL SURFACE MOLECULE MEDIATING
 CELL ADHESION AND SIGNAL TRANSMISSION, CELLS SECRETING SUCH
 ANTIBODIES, AND METHODS OF MAKING AND USING SUCH ANTIBODIES_u

In the specification:

Replace the paragraph beginning at page 5, line 1, with the following rewritten paragraph:

F1
 ~ The ligands for CD28 and CTLA-4 are CD80 (B7-1) and CD86 (B7-2) in human and mice. CTLA-4 has about 20 times higher affinity to both ligands as CD28. It has been elucidated that the amino acid sequence structures "MYPPPY (Met-Tyr-Pro-Pro-Tyr)" (SEQ ID NO:18) conserved through animal species is important for the binding of CD28 and CTLA-4 to CD80 (B7-1). It has also been reported that, when CD28 is stimulated, PI3 kinase (phosphoinositide 3 kinase, PI3K) associates with the phosphorylated tyrosine residue in a partial sequence "YMNM (Try-Met-Asn-Met)" (SEQ ID NO:19) of CD28 and that CD28 plays an

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Client's Ref. No.: J1-802PCT-US

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FOR THE PERSONAL ATTENTION OF:

EXAMINER JESSICA ROARK, PH.D.

GROUP 1644 FAX NO: (703) 746-5174

Number of pages including this page **31**

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FACSIMILE COMMUNICATION

Title : CELL SURFACE MOLECULE MEDIATING CELL ADHESION AND SIGNAL
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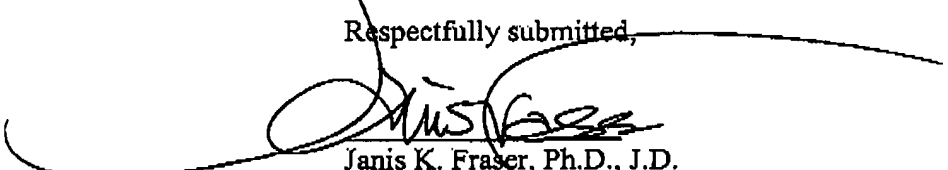
Commissioner for Patents
Washington, D.C. 20231

Sir:

Attached to this facsimile communication cover sheet is an Amendment, faxed
this 17th day of July, 2002, to Group 1644, the United States Patent and Trademark Office.

Respectfully submitted,

Date: July 17, 2002


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